

**Finland-Turku: Microscopes**  
**OJ S 193/2023 06/10/2023**  
**Contract award notice**  
**Supplies**

**Legal Basis:**

Directive 2014/24/EU

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**Section I: Contracting authority**

**I.1. Name and addresses**

Official name: University of Turku  
National registration number: 0245896-3  
Postal address: Yliopistonmäki  
Town: Turku  
NUTS code: FI1C1 Varsinais-Suomi  
Postal code: 20500  
Country: Finland  
E-mail: [procurement@utu.fi](mailto:procurement@utu.fi)  
**Internet address(es):**  
Main address: <http://www.utu.fi>

**I.4. Type of the contracting authority**

Body governed by public law

**I.5. Main activity**

Education

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**Section II: Object**

**II.1. Scope of the procurement**

**II.1.1. Title**

Wide-field light microscope for combined high-speed, high-throughput, and high-resolution analysis of molecular interactions

**II.1.2. Main CPV code**

38510000 Microscopes

**II.1.3. Type of contract**

Supplies

**II.1.4. Short description**

The Turku Bioscience Centre at the University of Turku intends to purchase a conventional and broadly versatile research grade fully motorized wide-field light microscope for combined high-speed, high-throughput, and high-resolution analysis of molecular interactions in a large variety of biological specimens, ranging from live single cells to fixed thick tissue sections, and more.

**II.1.6. Information about lots**

This contract is divided into lots: no

### **II.1.7. Total value of the procurement**

Value excluding VAT: 198 060,00 EUR

## **II.2. Description**

### **II.2.2. Additional CPV code(s)**

38000000 Laboratory, optical and precision equipments (excl. glasses)

### **II.2.3. Place of performance**

NUTS code: FI1C1 Varsinais-Suomi

### **II.2.4. Description of the procurement**

The system to be purchased must include:1) A versatile, future-proof, fully motorized, research grade, inverted light microscope body, equipped for both fluorescence and trans-illumination imaging, with a PC workstation and image acquisition and image post-processing software suitable for automatic, multi-colour image acquisition of 2D and 3D single position, automatic multi-position, and tiled image data sets in fluorescence mode with a high-sensitivity monochromatic CMOS camera, and in colorimetric mode with a high-sensitivity colour CCD or CMOS camera. The microscope system must include a black cage incubator with temperature and CO2 control to enable live cell imaging under physiological conditions (37C and 5% CO2). 2) A validated and demonstratable strategy for live background subtraction that enable on-the-fly adjustments of image acquisition settings in thicker samples (e.g. 50-100 µm thick tissue sections, spheroids and organoids, zebra fish embryos, and similar) that normally suffers from an overwhelming out-of-focus signal such that the in-focus signal is indistinguishable in live imaging mode. For full flexibility, the system should furthermore include validated strategies for further post-processing image enhancement by built in image de-convolution capabilities with a specific aim at tackling improvement for deep imaging in thick samples.3) A range of research grade microscope objectives suitable for imaging a broad range of samples and sample configurations including for specialised imaging of coverslip-free mounted samples on standard 1mm thick glass slides for downstream proteomic analysis.

### **II.2.5. Award criteria**

Quality criterion - Name: Quality criteria / Weighting: 30

Price - Weighting: 70

### **II.2.11. Information about options**

Options: yes

Description of options:

The tenderer is requested to include a separate description, including pricing, of at least the following options:

- 1) Microscope objectives that have been optimized for compatibility with imaging tissue samples cleared with BABB.
- 2) Software licence for remote post-processing with a description of AI based implementations for image data segmentation.
- 3) Options for extending the functionality of the specified system
- 4) Options for extended service contract beyond the expiration of the warranty

Options are not used in the comparison. The use of options is at the sole discretion of the buyer.

### **II.2.13. Information about European Union funds**

The procurement is related to a project and/or programme financed by European Union funds:  
yes

Identification of the project: Recovery and Resilience Facility (RRF)

## II.2.14. Additional information

### Section IV: Procedure

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#### IV.1. Description

##### IV.1.1. Type of procedure

Open procedure

##### IV.1.3. Information about a framework agreement or a dynamic purchasing system

##### IV.1.8. Information about the Government Procurement Agreement (GPA)

The procurement is covered by the Government Procurement Agreement: yes

#### IV.2. Administrative information

##### IV.2.1. Previous publication concerning this procedure

Notice number in the OJ S: [2023/S 126-401904](#)

##### IV.2.8. Information about termination of dynamic purchasing system

##### IV.2.9. Information about termination of call for competition in the form of a prior information notice

### Section V: Award of contract

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#### Title:

Wide-field light microscope for combined high-speed, high-throughput, and high-resolution analysis of molecular interactions

A contract/lot is awarded: yes

#### V.2. Award of contract

##### V.2.1. Date of conclusion of the contract

02/10/2023

##### V.2.2. Information about tenders

Number of tenders received: 2

Number of tenders received from SMEs: 2

Number of tenders received by electronic means: 2

The contract has been awarded to a group of economic operators: no

##### V.2.3. Name and address of the contractor

Official name: Immuno Diagnostic Oy

National registration number: 0499964-0

Town: Hämeenlinna

NUTS code: FI1C2 Kanta-Häme

Country: Finland

The contractor is an SME: yes

##### V.2.4. Information on value of the contract/lot

Total value of the contract/lot: 198 060,00 EUR

## **V.2.5. Information about subcontracting**

### **Section VI: Complementary information**

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#### **VI.3. Additional information**

#### **VI.4. Procedures for review**

##### **VI.4.1. Review body**

Official name: Markkinaoikeus

Postal address: Radanrakentajantie 5

Town: Helsinki

Postal code: 00520

Country: Finland

E-mail: [markkinaoikeus@oikeus.fi](mailto:markkinaoikeus@oikeus.fi)

Telephone: +358 295643300

Internet address: <http://www.oikeus.fi/markkinaoikeus>

#### **VI.5. Date of dispatch of this notice**

02/10/2023